



# MAJOR SOURCE OPERATING PERMIT

**PERMITTEE:** MICHELIN NORTH AMERICA, INC.

**FACILITY NAME:** MICHELIN NORTH AMERICA, INC.

**FACILITY/PERMIT NO.:** 604-0009

**LOCATION:** MIDLAND CITY, ALABAMA

*In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code 1975, §§22-28-1 to 22-28-23 (2006 Rplc. Vol. and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code 1975, §§22-22A-1 to 22-22A-15, (2006 Rplc. Vol. and 2007 Cum. Supp.) and rules and regulations adopted thereunder, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.*

*Pursuant to the **Clean Air Act of 1990**, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the **Clean Air Act of 1990** are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit.*

**Issuance Date:** DRAFT

**Effective Date:** DRAFT

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## General Permit Provisos

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| <p>1.     <b><u>Transfer</u></b></p> <p>This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in Rule 335-3-16-.13(1)(a)5.</p> <p>2.     <b><u>Renewals</u></b></p> <p>An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this permit.</p> <p>The source for which this permit is issued shall lose its right to operate upon the expiration of this permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph.</p> <p>3.     <b><u>Severability Clause</u></b></p> <p>The provisions of this permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivisions, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</p> <p>4.     <b><u>Compliance</u></b></p> <p>(a)    The permittee shall comply with all conditions of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 335-3 and may result in an enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the permittee.</p> <p>(b)    The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.</p> | <p>Rule 335-3-16-.02(6)</p> <p>Rule 335-3-16-.12(2)</p> <p>Rule 335-3-16-.05(e)</p> <p>Rule 335-3-16-.05(f)</p> <p>Rule 335-3-16-.05(g)</p> |

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| <p>5. <b><u>Termination for Cause</u></b></p> <p>This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p> <p>6. <b><u>Property Rights</u></b></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p> <p>7. <b><u>Submission of Information</u></b></p> <p>The permittee must submit to the Department, within 30 days or for such other reasonable time as the Department may set, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the permittee shall also furnish to the Department copies of records required to be kept by this permit.</p> <p>8. <b><u>Economic Incentives, Marketable Permits, and Emissions Trading</u></b></p> <p>No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.</p> <p>9. <b><u>Certification of Truth, Accuracy, and Completeness:</u></b></p> <p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.</p> | <p>Rule 335-3-16-.05(h)</p> <p>Rule 335-3-16-.05(i)</p> <p>Rule 335-3-16-.05(j)</p> <p>Rule 335-3-16-.05(k)</p> <p>Rule 335-3-16-.07(a)</p> |

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| <p>10. <b><u>Inspection and Entry</u></b></p> <p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p> <ul style="list-style-type: none"> <li>(a) Enter upon the permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit;</li> <li>(b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit;</li> <li>(c) Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit;</li> <li>(d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements.</li> </ul> | <p>Rule 335-3-16-.07(b)</p> |
| <p>11. <b><u>Compliance Provisions</u></b></p> <ul style="list-style-type: none"> <li>(a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance.</li> <li>(b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit.</li> </ul>  | <p>Rule 335-3-16-.07(c)</p> |
| <p>12. <b><u>Compliance Certification</u></b></p> <p>A compliance certification shall be submitted annually within 60 days of the anniversary date of the issuance of this permit.</p> <ul style="list-style-type: none"> <li>(a) The compliance certification shall include the following: <ul style="list-style-type: none"> <li>(1) The identification of each term or condition of this permit that is the basis of the certification;</li> <li>(2) The compliance status;</li> </ul> </li> </ul>  | <p>Rule 335-3-16-.07(e)</p> |

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| <p>(3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 335-3-16-.05(c) (Monitoring and Recording Keeping Requirements);</p> <p>(4) Whether the method(s) or other means used to assure compliance provided continuous or intermittent data;</p> <p>(5) Such other facts as the Department may require to determine the compliance status of the source;</p> <p>(b) The compliance certification shall be submitted to :</p> <p style="padding-left: 40px;">Alabama Department of Environmental Management<br/>Air Division<br/>P.O. Box 301463<br/>Montgomery, AL 36130-1463</p> <p style="padding-left: 80px;">and to:</p> <p style="padding-left: 40px;">Air and EPCRA Enforcement Branch<br/>EPA Region IV<br/>61 Forsyth Street, SW<br/>Atlanta, GA 30303</p>                              |                             |
| <p>13. <b><u>Reopening for Cause</u></b></p> <p>Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:</p> <p>(a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire.</p> <p>(b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit.</p> | <p>Rule 335-3-16-.13(5)</p> |



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| <p>(c) The Department or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.</p> <p>(d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.</p>  |  |
| <p>14. <b><u>Additional Rules and Regulations</u></b></p> <p>This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.</p>   | <p>§22-28-16(d), <u>Code of Alabama 1975</u>, as amended</p> |
| <p>15. <b><u>Equipment Maintenance or Breakdown</u></b></p> <p>(a) In case of shutdown of air pollution control equipment for scheduled maintenance, the intent to shut down shall be reported to the Department at least 24 hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. The Department shall be notified when maintenance on the air pollution control equipment is complete and the equipment is operating.</p> <p>(1) Identification of the specific facility to be taken out of service as well as its location and permit number;</p> <p>(2) The expected length of time that the air pollution control equipment will be out of service;</p> <p>(3) The nature and quantity of emissions of air contaminants likely to occur during the shutdown period;</p> <p>(4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period;</p> <p>(5) The reasons that it would be impossible or impractical to shut down the source operation during the maintenance period.</p> <p>(b) In the event that there is a breakdown of equipment or upset of process in such a manner as to cause, or is expected to cause, increased emissions of air</p> | <p>Rule 335-3-1-.07(1),(2)</p>                               |

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| <p>contaminants which are above an applicable standard, the person responsible for such equipment shall notify the Director within 24 hours or the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director will be notified when the breakdown has been corrected.</p>  |  |
| <p>16. <b><u>Operation of Capture and Control Devices</u></b></p> <p>All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.</p>  | <p>§22-28-16(d), <u>Code of Alabama 1975</u>, as amended</p> |
| <p>17. <b><u>Obnoxious Odors</u></b></p> <p>This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.</p>   | <p>Rule 335-3-1-.08</p>                                      |
| <p>18. <b><u>Fugitive Dust</u></b></p> <p>(a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.</p> <p>(b) Plant or haul roads and grounds will be maintained in the following manner so that dust will not become airborne:</p> <p>(1) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic;</p> <p>(2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created;</p> <p>(3) By paving;</p> | <p>Rule 335-3-4-.02</p>                                      |

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| <p>(4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions; or</p> <p>(5) By any combination of the above methods which results in the prevention of dust becoming airborne from the road surface.</p> <p>19. <b><u>Additions and Revisions</u></b></p> <p>Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.</p> <p>20. <b><u>Recordkeeping Requirements</u></b></p> <p>(a) Records of required monitoring information of the source shall include the following:</p> <p>(1) The date, place, and time of all sampling or measurements;</p> <p>(2) The date analyses were performed;</p> <p>(3) The company or entity that performed the analyses;</p> <p>(4) The analytical techniques or methods used;</p> <p>(5) The results of all analyses; and</p> <p>(6) The operating conditions that existed at the time of sampling or measurement.</p> <p>(b) Retention of records of all required monitoring data and support information of the source for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by the permit.</p> | <p>Rule 335-3-16-.13 and .14</p> <p>Rule 335-3-16-.05(c)(2)</p> |

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| <p>21. <b><u>Reporting Requirements</u></b></p> <p>(a) Reports to the Department of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with Rule 335-3-16-.04(9).</p> <p>(b) Deviations from permit requirements shall be reported within 48 hours or 2 working days of such deviations, including those attributable to upset conditions as defined in the permit. The report will include the probable cause of said deviations, and any corrective actions or preventive measures that were taken.</p> <p>22. <b><u>Emission Testing Requirements</u></b></p> <p>Each point of emission which requires testing will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.</p> <p>The Air Division must be notified in writing at least 10 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations.</p> <p>To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:</p> <p>(a) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests.</p> <p>(b) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures requires probe cleaning).</p> <p>(c) A description of the process(es) to be tested including the feed rate, any operating parameters used to</p> | <p>Rule 335-3-16-.05(c)(3)</p> <p>Rule 335-3-1-.05(3) and Rule 335-3-1-.04(1)</p> <p>Rule 335-3-1-.04</p> |

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| <p>control or influence the operations, and the rated capacity.</p> <p>(d) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances.</p> <p>A pretest meeting may be held at the request of the source owner or the Air Division. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.</p> <p>All test reports must be submitted to the Air Division within 30 days of the actual completion of the test unless an extension of time is specifically approved by the Air Division.</p>  | <p>Rule 335-3-1-.04</p>    |
| <p>23. <b><u>Payment of Emission Fees</u></b></p> <p>Annual emission fees shall be remitted each year according to the fee schedule in ADEM Admin. Code r. 335-1-7-.04.</p>   | <p>Rule 335-1-7-.04</p>    |
| <p>24. <b><u>Other Reporting and Testing Requirements</u></b></p> <p>Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require emission testing at any time.</p>   | <p>Rule 335-3-1-.04(1)</p> |
| <p>25. <b><u>Title VI Requirements (Refrigerants)</u></b></p> <p>Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.</p> <p>No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F.</p> <p>The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the US EPA and the Department as required.</p> | <p>40 CRR Part 82</p>      |

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| <p>26. <b><u>Chemical Accidental Prevention Provisions</u></b></p> <p>If a chemical listed in Table 1 of 40 CFR Part 68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:</p> <p>(a) The owner or operator shall comply with the provisions in 40 CFR Part 68.</p> <p>(b) The owner or operator shall submit one of the following:</p> <p>(1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR Part 68 § 68.10(a) or,</p> <p>(2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan.</p> | <p>40 CFR Part 68</p>          |
| <p>27. <b><u>Display of Permit</u></b></p> <p>This permit shall be kept under file or on display at all times at the site where the facility for which the permit is issued is located and will make the permit readily available for inspection by any or all persons who may request to see it.</p>   | <p>Rule 335-3-14-.01(1)(d)</p> |
| <p>28. <b><u>Circumvention</u></b></p> <p>No person shall cause or permit the installation or use of any device or any means which, without resulting in the reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.</p>  | <p>Rule 335-3-1-.10</p>        |
| <p>29. <b><u>Visible Emissions</u></b></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit.</p>  | <p>Rule 335-3-4-.01(1)</p>     |
| <p>30. <b><u>Fuel-Burning Equipment</u></b></p> <p>(a) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may</p>   | <p>Rule 335-3-4-.03</p>        |

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| <p>discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.03.</p> <p>(b) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge sulfur dioxide emissions in excess of the emissions specified in Part 335-3-5-.01.</p> | <p>Rule 335-3-5-.01</p> |
| <p>31. <b><u>Process Industries – General</u></b></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.04.</p>  | <p>Rule 335-3-4-.04</p> |
| <p>32. <b><u>Averaging Time for Emission Limits</u></b></p> <p>Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method.</p>   | <p>Rule 335-3-1-.05</p> |

## Summary Page for the Rubber Preparation (Milling, Cutting, Joining, and Complexing)

### Permitted

**Operating Schedule:** 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

### Emission limitations:

| Emission Point # | Description  | Pollutant | Emission limit | Regulation |
|------------------|--|-----------|----------------|------------|
| EU001            | Rubber Preparation (Milling, Cutting, Joining, and Complexing) | VOC       | N/A            | N/A        |
| EU001            | Rubber Preparation (Milling, Cutting, Joining, and Complexing) | HAP       | N/A            | N/A        |



## Provisos for the Rubber Preparation (Milling, Cutting, Joining, and Complexing)

| Federally Enforceable Provisos   | Regulations       |
|--|-------------------|
| <b>Applicability</b>   |                   |
| 1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “Major Source Operating Permits”. | Rule 335-3-16-.03 |
| <b>Emission Standards</b>  |                   |
| 1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.        | N/A               |
| <b>Compliance and Performance Test Methods and Procedures</b>  |                   |
| 1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.        | N/A               |
| <b>Emission Monitoring</b>   |                   |
| 1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.        | N/A               |
| <b>Recordkeeping and Reporting Requirements</b>  |                   |
| 1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.        | N/A               |

## Summary Page for BD1, BD3, BD4, and BD5 Extruding and Associated Milling

**Permitted**

**Operating Schedule:** 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

**Emission limitations:**

| Emission Point # | Description  | Pollutant | Emission limit | Regulation |
|------------------|--|-----------|----------------|------------|
| EU002            | Extruding and Associated Milling<br>(BD1, BD3, BD4, and BD5) | VOC       | N/A            | N/A        |
| EU002            | Extruding and Associated Milling<br>(BD1, BD3, BD4, and BD5) | HAP       | N/A            | N/A        |

## Provisos for BD1, BD3, BD4, and BD5 Extruding and Associated Milling

| Federally Enforceable Provisos   | Regulations       |
|--|-------------------|
| <b>Applicability</b>   |                   |
| 1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits". | Rule 335-3-16-.03 |
| <b>Emission Standards</b>  |                   |
| 1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.        | N/A               |
| <b>Compliance and Performance Test Methods and Procedures</b>  |                   |
| 1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.        | N/A               |
| <b>Emission Monitoring</b>   |                   |
| 1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.        | N/A               |
| <b>Recordkeeping and Reporting Requirements</b>  |                   |
| 1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.        | N/A               |

## Summary Page for BD2 and BD6 with Undertread Cementing and Boiler Incineration

**Permitted**

**Operating Schedule:** 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

**Emission limitations:**

| Emission Point # | Description   | Pollutant | Emission limit    | Regulation                 |
|------------------|---|-----------|-------------------|----------------------------|
| EU003            | Extruding with Undertread Cementing and Boiler Incineration (BD2 and BD6) | VOC       | 75% VOC reduction | 40 CFR Part 60 Subpart BBB |
| EU003            | Extruding with Undertread Cementing and Boiler Incineration (BD2 and BD6) | HAP       | N/A               | N/A                        |

## Provisos for BD2 and BD6 with Undertread Cementing and Boiler Incineration

| Federally Enforceable Provisos   | Regulations                   |
|--|-------------------------------|
| <b>Applicability</b>   |                               |
| 1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits".   | Rule 335-3-16-.03             |
| 2. The undertread cementing portions of these units are subject to the applicable provisions of 40 CFR 60 Subpart BBB, "Standards of Performance for the Rubber Tire Manufacturing Industry".  | 40 CFR Part 60<br>Subpart BBB |
| 3. The undertread cementing portions of these units are subject to the applicable provisions of 40 CFR 60 Subpart A, "General Provisions".   | 40 CFR Part 60<br>Subpart BBB |
| <b>Emission Standards</b>  |                               |
| 1. The Permittee shall for each undertread cementing operation discharge into the atmosphere no more than 25 percent of the VOC used (75 percent emission reduction ) for each month.  | 40 CFR §60.542(a)(1)(i)       |
| <b>Compliance and Performance Test Methods and Procedures</b>  |                               |
| 1. The owner or operator of an affected facility who elects to use a VOC emission reduction system with a control device that destroys VOC (e.g., incinerator), as described under paragraphs (f) and (g) of this section, shall repeat the performance test when directed by the Administrator or when the owner or operator elects to operate the capture system or control device at conditions different from the most recent determination of overall reduction efficiency. The performance test shall be conducted in accordance with the procedures described under paragraphs (f)(2) (i) through (iv) of this section. | 40 CFR §60.543(b)(2)          |
| 2. Within 90 calendar days after electing to operate the capture or control device at conditions different from the most recent determination of overall reduction efficiency, the owner or operator of this facility shall conduct performance tests. Performance tests shall be conducted to show compliance with the VOC standards. Compliance with the VOC standards shall be determined by conducting performance tests in accordance with 40 CFR 60 Appendix A Reference Method 25.  | Rule 335-3-16-.05             |

| Federally Enforceable Provisos   | Regulations  |
|--|--|
| <p>3. For each undertread cementing operation that uses a VOC emission reduction system with a control device that destroys VOC (e.g., incinerator), the owner or operator shall use the following procedure to determine compliance with the percent emission reduction requirement specified under §60.542 (a) (1)(i), (2)(i), (6)(i), (7)(iii), (8)(i), (9)(i), and (10)(i).</p> <p>(a) The performance test shall be repeated during conditions described under §60.543 (b)(2). No monthly performance tests are required.</p> <p>4. The density and weight fraction of VOC in each cement shall be determined from its formulation data or by analysis of the cement using Method 24 or 40 CFR 60, Appendix A.</p> <p>5. If testing is required, volatile organic compound (VOC) emissions shall be determined in accordance with Method 25 of 40 CFR 60, Appendix A.</p> <p>6. Controlled VOC emissions from this unit shall be determined by applying the overall VOC reduction factor determined during source testing to total VOC usage.</p> | <p>40 CFR §60.543(g)(1)</p> <p>40 CFR §60.547(a)(1)</p> <p>40 CFR §60.547(a)(2)</p> <p>Rule 335-3-16-.05</p> |
| <b>Emission Monitoring</b>   |  |
| <p>1. The owner or operator of an affected facility who elects to use a VOC emission reduction system with a control device that destroys VOC (e.g. incinerator), as described under §60.543(f) and (g), shall repeat the performance test when directed by the Administrator or when the owner or operator elects to operate the capture system or control device at conditions different from the most recent determination of overall reduction efficiency. The performance test shall be conducted in accordance with the procedures described under §60.543(f)(2)(i) through (iv).</p> <p>2. The Permittee shall calibrate, maintain, and operate according to manufacturer's specifications, a temperature monitoring device equipped with a continuous recorder for the temperature of the gas stream in the combustion zone of the incinerator (Boilers 1-4). The temperature monitoring device shall have an accuracy of 1 percent of the temperature being measured in °C or <math>\pm 0.5</math> °C, whichever is greater.</p>              | <p>40 CFR §60.543(b)(2)</p> <p>40 CFR §60.544(a)(1)</p>  |

| Federally Enforceable Provisos   | Regulations                 |
|--|-----------------------------|
| <p>3. An owner or operator of an undertread cementing operation, sidewall cementing operation, green tire spraying operation where organic solvent-based sprays are used, or Michelin-B operation where a VOC recovery device other than a carbon adsorber is used to meet the performance requirements specified under §60.543(j)(6), shall provide to the Administrator information describing the operation of the control device and the process parameter(s) which would indicate proper operation and maintenance of the device. The Administrator may request further information and will specify appropriate monitoring procedures or requirements.</p> | <p>40 CFR §60.544(b)</p>    |
| <p><b>Recordkeeping and Reporting Requirements</b></p>   |                             |
| <p>1. Records of VOC content of any cements or sprays used in this process shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.</p>  | <p>Rule 335-3-16-.05(c)</p> |
| <p>2. The Permittee shall maintain continuous records of the temperature of the gas stream in the combustion zone of the incinerator and records of all 3-hour periods of operation for which the average temperature of the gas stream in the combustion zone was more than 28 °C (50 °F) below the combustion zone temperature measured during the most recent determination of the destruction efficiency of the thermal incinerator that demonstrated that the affected facility was in compliance.</p>  | <p>40 CFR §60.545(a)</p>    |
| <p>3. The Permittee shall report the results of the performance tests required under §60.543(b)(2). The following data shall be included in the report for each of the performance tests: The emission control device efficiency (E), the capture system efficiency (Fc), and the overall system emission reduction (R).</p>   | <p>40 CFR §60.546(c)(4)</p> |
| <p>4. The Permittee shall include the following data measured by the temperature monitoring device, in the report for each performance test specified under §60.546(c): The average combustion temperature measured at least every 15 minutes and averaged over the performance test period of incinerator destruction efficiency for each thermal incinerator.</p>  | <p>40 CFR §60.546(e)(1)</p> |
| <p>5. Once every 6 months the Permittee shall report each 3-hour period of operation for which the average temperature of the gas stream in the combustion zone of a thermal incinerator, as measured by the temperature monitoring device, is more than 28°C (50°F) below the combustion zone temperature measured during the most recent determination of the destruction efficiency of the thermal incinerator that demonstrated that the affected facility was in compliance. If</p>   | <p>40 CFR §60.546(f)(4)</p> |

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no exceedances occurred during the reporting period then a letter shall be sent indicating that no exceedances occurred.



## Summary Page for 1<sup>st</sup> and 2<sup>nd</sup> Stage Tire Assembly with Michelin C Process

**Permitted**

**Operating Schedule:** 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

**Emission limitations:**

| Emission Point # | Description   | Pollutant | Emission limit                | Regulation                 |
|------------------|---|-----------|-------------------------------|----------------------------|
| EU004            | 1 <sup>st</sup> and 2 <sup>nd</sup> Stage Tire Assembly with Michelin C<br>(P1, P2, R1, R2, R3, R4, R5, R6, R7, S1, S2, S3, T3, T4, T5, T6, T7, T8, 1P, 2P, 1R, 2R, 3R, 4R, 5R, 6R, 7R, 1S, 2S, 3S, 2T, 3T, 4T, 5T, 6T, 7T) | VOC       | See 40 CFR §60.542(a)(10)(ii) | 40 CFR Part 60 Subpart BBB |
| EU004            | 1 <sup>st</sup> and 2 <sup>nd</sup> Stage Tire Assembly with Michelin C<br>(P1, P2, R1, R2, R3, R4, R5, R6, R7, S1, S2, S3, T3, T4, T5, T6, T7, T8, 1P, 2P, 1R, 2R, 3R, 4R, 5R, 6R, 7R, 1S, 2S, 3S, 2T, 3T, 4T, 5T, 6T, 7T) | HAP       | N/A                           | N/A                        |

## Provisos for 1<sup>st</sup> and 2<sup>nd</sup> Stage Tire Assembly with Michelin C Process

| Federally Enforceable Provisos  | Regulations                   |
|---|-------------------------------|
| <b>Applicability</b>  |                               |
| 1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “Major Source Operating Permits”.  | Rule 335-3-16-.03             |
| 2. The Michelin C portions of 1R, 2R, 3R, 4R, 5R, 6R, 1S, 2T, 3T, 4T, 5T, 6T, and 7T are subject to the applicable provisions of 40 CFR 60 Subpart BBB, “Standards of Performance for the Rubber Tire Manufacturing Industry”.  | 40 CFR Part 60<br>Subpart BBB |
| 3. The Michelin C portions of 1R, 2R, 3R, 4R, 5R, 6R, 1S, 2T, 3T, 4T, 5T, 6T, and 7T are subject to the applicable provisions of 40 CFR 60 Subpart A , “General Provisions”.  | 40 CFR Part 60<br>Subpart BBB |
| <b>Emission Standards</b>   |                               |
| 1. The emissions of volatile organic compounds (VOC) from each Michelin C portion of 1R, 2R, 3R, 4R, 5R, 6R, 1S, 2T, 3T, 4T, 5T, 6T, and 7T shall not exceed the limits below, depending on the duration of the compliance period:  | 40 CFR<br>§60.542(a)(10)(ii)  |
| <ul style="list-style-type: none"> <li>(a) 1,570 kilograms of VOC per 28 days</li> <li>(b) 1,630 kilograms of VOC per 29 days</li> <li>(c) 1,690 kilograms of VOC per 30 days</li> <li>(d) 1,740 kilograms of VOC per 31 days</li> <li>(e) 1,970 kilograms of VOC per 35 days</li> </ul>  |                               |
| <b>Compliance and Performance Test Methods and Procedures</b>   |                               |
| 1. For each Michelin C operation, the following procedure shall be used to determine compliance with the applicable uncontrolled monthly VOC use limit:   | 40 CFR §60.543(c)             |
| <ul style="list-style-type: none"> <li>(a) Determine the density and weight fraction of VOC in each cement from its formulation data or by analysis of the cement using Method 24.</li> </ul>   | 40 CFR §60.543(c)(1)          |
| <ul style="list-style-type: none"> <li>(b) Calculate the total mass of VOC used at the affected facility for the month (<math>M_o</math>) using the following procedure: <ul style="list-style-type: none"> <li>i. For each facility for which cement is delivered in batch or via a distribution system that serves only the affected facility:</li> </ul> </li> </ul> | 40 CFR 60<br>§60.543(c)(2)    |
|   | 40 CFR §60.543(c)(2)(i)       |
| $M_o = \sum_{i=1}^a L_{c_i} D_{c_i} W_{o_i}$  |                               |

| Federally Enforceable Provisos  | Regulations   |
|---|---|
| <p>Where:</p> <p><b><i>a</i></b> = the different number of cements used during the month<br/> <b><i>L<sub>c</sub></i></b> = volume of cement used during the for a month<br/> <b><i>D<sub>c</sub></i></b> = density of cement used<br/> <b><i>W<sub>o</sub></i></b> = weight fraction of VOC in a cement</p> <p>(c) Determine the time duration of the monthly compliance period (<b><i>T<sub>d</sub></i></b>) cemented for the month</p> <p>2. The density and weight fraction of VOC in each cement shall be determined from its formulation data or by analysis of the cement using Method 24 or 40 CFR 60, Appendix A.</p> <p>3. If testing is required, volatile organic compound (VOC) emissions shall be determined in accordance with Method 25 of 40 CFR 60, Appendix A.</p> | <p>40 CFR §60.543(c)(3)</p> <p>40 CFR §60.547(a)(1)</p> <p>40 CFR §60.547(a)(2)</p> |
| <b>Emission Monitoring</b>  |   |
| <p>1. These sources are subject to no additional specific requirements other than those listed in the General Permit Provisos.</p>  | <p>N/A</p>  |
| <b>Recordkeeping and Reporting Requirements</b>   |   |
| <p>1. Records of VOC content of any cements or sprays used in this process shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.</p>   | <p>Rule 335-3-16-.05(c)</p>   |
| <p>2. Records summarizing the monthly VOC emissions from the undertread cementing portions of 1R, 2R, 3R, 4R, 5R, 6R, 1S, 2T, 3T, 4T, 5T, 6T, and 7T, and the number of days in each compliance period shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.</p>   | <p>40 CFR §60.545(d)</p>  |
| <p>3. Monthly VOC emissions records shall be compiled no later than the tenth (10<sup>th</sup>) day of the month following each monthly reporting period.</p>   | <p>Rule 335-3-16-.05(c)</p>   |
| <p>4. During any month, twelve (12) month period, or other compliance period during which there is an exceedance of the VOC emission limit, the Department shall be notified in writing within twenty-four (24) hours of determining the exceedance. The notification shall include the following:</p> <p>(a) Dates covered during the reporting period;</p> <p>(b) Amount of VOC used during the reporting period;</p>   | <p>40 CFR §60.546(f)(2)</p>   |

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- (c) Amount of VOC emitted during the reporting period;
- (d) Description of the cause of the exceedance; and
- (e) Description of any corrective action taken.

## Summary Page for 1<sup>st</sup> and 2<sup>nd</sup> Stage Tire Assembly with Undertread Cementing with Boiler Incineration

**Permitted**

**Operating Schedule:** 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

**Emission limitations:**

| Emission Point # | Description   | Pollutant | Emission limit   | Regulation                      |
|------------------|---|-----------|--|---------------------------------|
| EU005            | 1 <sup>st</sup> and 2 <sup>nd</sup> Stage Tire Assembly with<br>Undertread Cementing and Boiler<br>Incineration<br>(T1, T2, Q1, 0T, 1T, 1Q) | VOC       | See 40 CFR<br>§60.542(a)   | 40 CFR Part 60<br>Subpart BBB   |
| EU005            | 1 <sup>st</sup> and 2 <sup>nd</sup> Stage Tire Assembly with<br>Undertread Cementing and Boiler<br>Incineration<br>(T1, T2, Q1, 0T, 1T, 1Q) | VOC       | 39.5 TOY for Q1/1Q<br>Tire Building and<br>Undertread<br>Cementing Unit Only | Rule 335-3-14-.04<br>(Anti-PSD) |
| EU005            | 1 <sup>st</sup> and 2 <sup>nd</sup> Stage Tire Assembly with<br>Undertread Cementing and Boiler<br>Incineration<br>(T1, T2, Q1, 0T, 1T, 1Q) | HAPs      | N/A  | N/A                             |

## Provisos for 1<sup>st</sup> and 2<sup>nd</sup> Stage Tire Assembly with Undertread Cementing with Boiler Incineration

| Federally Enforceable Provisos  | Regulations                  |
|---|------------------------------|
| <b>Applicability</b>  |                              |
| 1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits".   | Rule 335-3-16-.03            |
| 2. Units Q1 and 1Q have enforceable limits in place in order to prevent them from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".  | Rule 335-3-14-.04 (Anti-PSD) |
| 3. The Michelin C and undertread portions of these units are subject to the applicable provisions of 40 CFR 60 Subpart BBB, "Standards of Performance for the Rubber Tire Manufacturing Industry".  | 40 CFR Part 60 Subpart BBB   |
| 4. The Michelin C and undertread portions of these units are subject to the applicable provisions of 40 CFR 60 Subpart A, "General Provisions".   | 40 CFR Part 60 Subpart BBB   |
| <b>Emission Standards</b>   |                              |
| 1. The emissions of volatile organic compounds (VOC) from the Michelin C portions of 0T, 1T, and 1Q shall not exceed the limits below, depending on the duration of the compliance period:<br>(a) 1,570 kilograms of VOC per 28 days<br>(b) 1,630 kilograms of VOC per 29 days<br>(c) 1,690 kilograms of VOC per 30 days<br>(d) 1,740 kilograms of VOC per 31 days<br>(e) 1,970 kilograms of VOC per 35 days      | 40 CFR §60.542(a)(10)(ii)    |
| 2. The emissions of volatile organic compounds (VOC) from the undertread cementing portions of 1T and 1Q shall not exceed the limits below, depending on the duration of the compliance period:<br>(a) 3,870 kilograms of VOC per 28 days<br>(b) 4,010 kilograms of VOC per 29 days<br>(c) 4,150 kilograms of VOC per 30 days<br>(d) 4,280 kilograms of VOC per 31 days<br>(e) 4,840 kilograms of VOC per 35 days | 40 CFR §60.542(a)(1)(ii)     |
| 3. Combined total VOC emissions from unit 1Q and Q1 shall not exceed 39.5 tons during any consecutive twelve (12) month period.   | Rule 335-3-14-.04 (Anti-PSD) |
| <b>Compliance and Performance Test Methods and Procedures</b>   |                              |

| Federally Enforceable Provisos   | Regulations  |
|--|--|
| <p>1. For each Michelin A, Michelin B, Michelin C, and undertread cementing operation, the following procedure shall be used to determine compliance with the applicable uncontrolled monthly VOC use limit:</p> <p>(a) Determine the density and weight fraction of VOC in each cement from its formulation data or by analysis of the cement using Method 24.</p> <p>(b) Calculate the total mass of VOC used at the affected facility for the month (<math>M_o</math>) using the following procedure:</p> <p>i. For each facility for which cement is delivered in batch or via a distribution system that serves only the affected facility:</p> $M_o = \sum_{i=1}^a L_{c_i} D_{c_i} W_{o_i}$ <p>Where:</p> <p><math>a</math> = the different number of cements used during the month<br/> <math>L_c</math> = volume of cement used during the for a month<br/> <math>D_c</math> = density of cement used<br/> <math>W_o</math> = weight fraction of VOC in a cement</p> <p>(c) Determine the time duration of the monthly compliance period (<math>T_d</math>) cemented for the month</p> <p>2. The density and weight fraction of VOC in each cement shall be determined from its formulation data or by analysis of the cement using Method 24 or 40 CFR 60, Appendix A.</p> <p>3. If testing is required, volatile organic compound (VOC) emissions shall be determined in accordance with Method 25 of 40 CFR 60, Appendix A.</p> <p>4. Controlled VOC emissions from this unit shall be determined by applying the overall VOC reduction factor determined during source testing to total VOC usage.</p> | <p>40 CFR §60.543(c)</p> <p>40 CFR §60.543(c)(1)</p> <p>40 CFR §60.543(c)(2)</p> <p>40 CFR §60.543(c)(2)(i)</p> <p>40 CFR §60.543(c)(3)</p> <p>40 CFR §60.547(a)(1)</p> <p>40 CFR §60.547(a)(2)</p> <p>Rule 335-3-16-.05</p> |
| <b>Emission Monitoring</b>   |  |
| <p>1. The Permittee shall conduct biennial (every two years) source testing on one boiler each term in order to demonstrate overall average VOC reduction.</p> <p>2. As an alternative to biennial testing, the Permittee shall conduct initial testing on one boiler in order to demonstrate overall VOC reduction along with the operation of anemometers or some other comparable Department approved method to monitor the capture system operation.</p>   | <p>Rule 335-3-16-.05(c)</p> <p>Rule 335-3-16-.05(c)</p>  |

| Federally Enforceable Provisos   | Regulations          |
|--|----------------------|
| 3. Any alternative monitoring system must be approved by the Department.   | Rule 335-3-16-.05(c) |
| <b>Recordkeeping and Reporting Requirements</b>  |                      |
| 1. Records of VOC content of any cements or sprays used in this process shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.   | Rule 335-3-16-.05(c) |
| 2. Records summarizing the monthly VOC emissions from the undertread cementing and the number of days in each compliance period shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.   | Rule 335-3-16-.05(c) |
| 3. Records summarizing the rolling twelve (12) month total VOC emissions from 1Q and Q1 shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation.   | Rule 335-3-16-.05(c) |
| 4. Monthly and updated twelve (12) monthly VOC emissions records shall be compiled no later than the tenth (10 <sup>th</sup> ) day of the month following each monthly reporting period.   | Rule 335-3-16-.05(c) |
| 5. During any month, twelve (12) month period, or other compliance period during which there is an exceedance of the VOC emission limit, the Department shall be notified in writing within twenty-four (24) hours of determining the exceedance. The notification shall include the following:<br>(a) Dates covered during the reporting period;<br>(b) Amount of VOC used during the reporting period;<br>(c) Amount of VOC emitted during the reporting period;<br>(d) Description of the cause of the exceedance; and<br>(e) Description of any corrective action taken. | Rule 335-3-16-.05(c) |



## Summary Page for Tire Curing and Finishing Operation

### Permitted

**Operating Schedule:** 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

### Emission limitations:

| Emission Point # | Description                           | Pollutant        | Emission limit  | Regulation                   |
|------------------|---------------------------------------|------------------|---|------------------------------|
| EU007            | Curing Presses                        | VOC              | 37.7 TPY ( <i>associated with the use of silane</i> ) | Rule 335-3-14-.04 (Anti-PSD) |
| EU007            | Curing Presses                        | HAPs             | N/A   | N/A                          |
| EU007            | Green Tire Spraying with Wet Scrubber | PM               | 2.90 lb/hr  | Rule 335-3-14-.04 (Anti-PSD) |
| EU007            | Green Tire Spraying with Wet Scrubber | VOC              | N/A   | N/A                          |
| EU007            | Green Tire Spraying with Wet Scrubber | HAPs             | N/A   | N/A                          |
| EU007            | Green Tire Spraying with Wet Scrubber | Opacity          | See General Provisos                                  | Rule 335-3-4-.01(1)          |
| EU007            | RIS Grinding with Cyclones            | PM               | 1.30 lb/hr  | Rule 335-3-14-.04 (Anti-PSD) |
| EU007            | RIS Grinding with Cyclones            | PM <sub>10</sub> | 0.60 lb/hr  | Rule 335-3-14-.04 (Anti-PSD) |
| EU007            | RIS Grinding with Cyclones            | VOC              | N/A   | N/A                          |
| EU007            | RIS Grinding with Cyclones            | HAP              | N/A   | N/A                          |
| EU007            | RIS Grinding with Cyclones            | Opacity          | See General Provisos                                  | Rule 335-3-4-.01(1)          |
| EU007            | White Sidewall Grinding with Cyclones | PM               | 4.20 lb/hr  | Rule 335-3-14-.04 (Anti-PSD) |
| EU007            | White Sidewall Grinding with Cyclones | PM <sub>10</sub> | 1.90 lb/hr  | Rule 335-3-14-.04 (Anti-PSD) |
| EU007            | White Sidewall Grinding with Cyclones | VOC              | N/A   | N/A                          |
| EU007            | White Sidewall Grinding with Cyclones | HAP              | N/A   | N/A                          |
| EU007            | White Sidewall Grinding with Cyclones | Opacity          | See General Provisos                                  | Rule 335-3-4-.01(1)          |

## Provisos for Tire Curing and Finishing Operation

| Federally Enforceable Provisos   | Regulations                                    |
|--|--|
| <b>Applicability</b>   |  |
| 1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits".  | Rule 335-3-16-.03                              |
| 2. Green Tire Sprayer No. 6 is subject to the applicable provisions of 40 CFR 60 Subpart BBB, "Standards of Performance for the Rubber Tire Manufacturing Industry".   | 40 CFR Part 60<br>Subpart BBB                  |
| 3. Green Tire Sprayer No. 6 is subject to the applicable provisions of 40 CFR 60 Subpart A, "General Provisions".  | 40 CFR Part 60<br>Subpart BBB                  |
| 4. Curing have an enforceable limit in place in place in order to prevent them from being subject to the provisions ADEM Admin. Code r. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration Permitting (PSD)]". | ADEM Admin. Code r. 335-3-14-.04<br>(Anti-PSD) |
| <b>Emission Standards</b>  |  |
| 1. No more than 37.7 tons of VOC emissions associated with the use of silane shall be emitted from the curing operation during any consecutive twelve (12) month period.   | Rule 335-3-14-.04<br>(Anti-PSD)                |
| 2. Rubber cured at this facility shall contain no more than 1,538,845 pounds of silane during any consecutive twelve (12) month period.  | Rule 335-3-14-.04<br>(Anti-PSD)                |
| 3. Total particulate matter (PM) emissions from the Green Tire Spraying Operation shall not exceed 2.90 lb/hr.   | Rule 335-3-14-.04<br>(Anti-PSD)                |
| 4. Total PM emissions from the RIS Grinding Operation shall not exceed 1.30 lb/hr.   | Rule 335-3-14-.04<br>(Anti-PSD)                |
| 5. Total PM <sub>10</sub> emissions from the RIS Grinding Operation shall not exceed 0.60 lb/hr.   | Rule 335-3-14-.04<br>(Anti-PSD)                |
| 6. Total PM emissions from the White Sidewall Grinding Operation shall not exceed 4.20 lb/hr.  | Rule 335-3-14-.04<br>(Anti-PSD)                |
| 7. Total PM <sub>10</sub> emissions from the White Sidewall Grinding Operation shall not exceed 1.90 lb/hr.  | Rule 335-3-14-.04<br>(Anti-PSD)                |
| 8. Volatile Organic Compound (VOC) emissions from Green Tire Sprayer No. 6 shall not exceed 1.2 grams per tire sprayed with an inside green tire spray for each month.   | 40 CFR §60.542(a)(5)(i)                        |
| 9. Volatile Organic Compound (VOC) emissions Green Tire Sprayer No. 6 shall not exceed 9.3 grams per tire sprayed  | 40 CFR §60.542(a)(5)(i)                        |

| Federally Enforceable Provisos   | Regulations                  |
|--|------------------------------|
| with an outside green tire spray for each month.   |                              |
| 10. The sprays used by Green Tire Sprayer No. 6 shall contain less than one (1%) percent VOC by weight.  | Rule 335-3-14-.04 (Anti-PSD) |
| <b>Compliance and Performance Test Methods and Procedures</b>  |                              |
| 1. If testing is required, VOC emissions shall be determined by Method 25 or 25A as described in 40 CFR 60, Appendix A.  | Rule 335-3-1-.05             |
| 2. Visible emissions observations (VEO) shall be conducted in accordance with Method 9 40 CFR 60, Appendix A.  | Rule 335-3-1-.05             |
| 3. If testing is required, PM emissions shall be determined by Method 5 as described in 40 CFR 60, Appendix A.   | Rule 335-3-1-.05             |
| 4. If testing is required, PM <sub>10</sub> emissions shall be determined by Method 201 as described in 40 CFR 51, Appendix M.   | Rule 335-3-1-.05             |
| 5. Supplier formulation data or a Method 24 analysis shall be used to determine the VOC content of sprays used in Green Tire Sprayer No. 6.  | 40 CFR §60.543(b)(4)         |
| <b>Emission Monitoring</b>   |                              |
| 1. An observation of instantaneous visible emissions from the stack associated with the wet scrubber shall be accomplished weekly while in operation by an individual certified to determine opacity.  | Rule 335-3-16-.05(c)         |
| 2. An observation of instantaneous visible emissions from the cyclone stacks shall be accomplished weekly while in operation by an individual certified to determine opacity.  | Rule 335-3-16-.05(c)         |
| 3. If the observed instantaneous opacity from any unit is greater than ten (10%) percent, a visible emissions observation shall be conducted within <b>thirty (30) minutes</b> of the observation in accordance with 40 CFR 60 Appendix A, Method 9 for a minimum of twelve (12) consecutive minutes.                              | Rule 335-3-16-.05(c)         |
| 4. If the average opacity during any Method 9 visible emission observation exceeds ten (10%) percent, corrective action shall be initiated within <b>two (2) hours</b> .   | Rule 335-3-16-.05(c)         |
| <b>Recordkeeping and Reporting Requirements</b>  |                              |
| 1. Records summarizing the monthly and twelve (12) month rolling total of silane usage at this facility shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of generation. | Rule 335-3-16-.05(c)         |

| Federally Enforceable Provisos   | Regulations          |
|--|----------------------|
| 2. Monthly and updated twelve (12) month silane usage inventories shall be compiled no later than the tenth (10 <sup>th</sup> ) day of the month following each monthly reporting period.  | Rule 335-3-16-.05(c) |
| 3. During any month, twelve (12) month period, or other compliance period during which there is an exceedance of one or more of the permitted emission limits, the Department shall be notified in writing within twenty-four (24) hours of determining the exceedance. The notification shall include the following:<br>(a) Dates covered during the reporting period;<br>(b) Amount of pollutant emitted during the reporting period;<br>(c) Description of the cause of the exceedance; and<br>(d) Description of any corrective action taken.  | Rule 335-3-16-.05(c) |
| 4. Records of the observation date, observation time, emission point designation, name of the observer, expiration date of observer's certification, observed opacity, and any corrective actions taken during each visible emissions observation shall be kept in a permanent form suitable for inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.   | Rule 335-3-16-.05(c) |
| 5. If a visible emissions observation utilizing Method 9 is required, the results shall be documented using the ADEM visible emissions observation report. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.   | Rule 335-3-16-.05(c) |
| 6. A semi-annual monitoring report shall be submitted to the Department <b>within sixty (60) days of the end of each semi-annual reporting period</b> as determined by the anniversary dates of the permit. The semi-annual monitoring periods shall cover the following dates: September 1 <sup>st</sup> through February 28 <sup>th</sup> , and March 1 <sup>st</sup> through August 31 <sup>st</sup> of each calendar year. This report shall include the following:<br>(a) Calendar dates covered in the reporting period;<br>(b) All visible emissions (VE) exceedances;<br>(c) A description of the cause of any exceedance;<br>(d) A description of any corrective action taken;<br>(e) A statement of certification of truth, accuracy, and completeness as described in General Proviso No. 9;<br>(f) Signature of the responsible official as required by General Proviso No. 9. | Rule 335-3-16-.05(c) |
| 7. Records summarizing the monthly VOC emissions from Green Tire Sprayer No. 6 shall be kept in a permanent form suitable for inspection and shall be made available to the permitting authority upon request. These records shall be maintained for at least five (5) years from the date of  | 40 CFR §60.545(f)    |

| Federally Enforceable Provisos  | Regulations              |
|---|--------------------------|
| <p>generation.</p> <p>8. Green tire spraying (inside and/or outside) operation using water-based sprays containing less than 1.0 percent, by weight, of VOC as described in §60.543(b)(1) shall furnish the Administrator, within 60 days initially and annually thereafter, formulation data or Method 24 results to verify the VOC content of the water-based sprays in use. If the spray formulation changes before the end of the 12-month period, formulation data or Method 24 results to verify the VOC content of the spray shall be reported within 30 days of the change.</p> | <p>40 CFR §60.546(f)</p> |

## Summary Page for Tringle Spraying Operation with Baghouse

### Permitted

**Operating Schedule:** 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

### Emission limitations:

| Emission Point # | Description                              | Pollutant | Emission limit | Regulation                   |
|------------------|--|-----------|----------------|------------------------------|
| EU015            | Tringle Spraying Operation with Baghouse | PM        | 0.10 lb/hr     | Rule 335-3-14-.04 (Anti-PSD) |
| EU015            | Tringle Spraying Operation with Baghouse | VOC       | N/A            | N/A                          |

## Provisos for Tringle Spraying Operation with Baghouse

| Federally Enforceable Provisos   | Regulations                  |
|--|------------------------------|
| <b>Applicability</b>   |                              |
| 1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits".   | Rule 335-3-16-.03            |
| 2. This unit has an enforceable limit in place in place in order to prevent them from being subject to the provisions ADEM Admin. Code r. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration Permitting (PSD)]".                                 | Rule 335-3-14-.04 (Anti-PSD) |
| <b>Emission Standards</b>  |                              |
| 1. Total particulate matter (PM) emissions from this unit shall not exceed 0.10 lb/hr.   | Rule 335-3-14-.04 (Anti-PSD) |
| <b>Compliance and Performance Test Methods and Procedures</b>  |                              |
| 1. If testing is required, PM emissions shall be determined by Method 5 as described in 40 CFR 60, Appendix A.   | Rule 335-3-1-.05             |
| 2. Visible emissions observations (VEO) shall be conducted in accordance with Method 9 40 CFR 60, Appendix A.  | Rule 335-3-1-.05             |
| 3. If testing is required, VOC emissions shall be determined by Method 25 or 25A as described in 40 CFR 60, Appendix A.  | Rule 335-3-1-.05             |
| <b>Emission Monitoring</b>   |                              |
| 1. An observation of instantaneous visible emissions from the stack associated with the baghouse shall be accomplished weekly while in operation by an individual certified to determine opacity.  | Rule 335-3-16-.05(c)         |
| 2. If the observed instantaneous opacity from any unit is greater than ten (10%) percent, a visible emissions observation shall be conducted within thirty (30) minutes of the observation in accordance with 40 CFR 60 Appendix A, Method 9 for a minimum of twelve (12) consecutive minutes.               | Rule 335-3-16-.05(c)         |
| 3. If the average opacity during any Method 9 visible emission observation exceeds ten (10%) percent, corrective action shall be initiated within <b>two (2) hours</b> .   | Rule 335-3-16-.05(c)         |
| <b>Recordkeeping and Reporting Requirements</b>  |                              |
| 1. Records of the observation date, observation time, emission point designation, name of the observer, expiration date of observer's certification, observed opacity, and any corrective actions taken during each visible emissions observation shall be kept in a permanent form suitable for inspection. | Rule 335-3-16-.05(c)         |

| Federally Enforceable Provisos  | Regulations   |
|---|---|
| <p>These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.</p> <p>2. If a visible emissions observation utilizing Method 9 is required, the results shall be documented using the ADEM visible emissions observation report. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.</p> <p>3. A semi-annual monitoring report shall be submitted to the Department <b>within sixty (60) days of the end of each semi-annual reporting period</b> as determined by the anniversary dates of the permit. The semi-annual monitoring periods shall cover the following dates: September 1<sup>st</sup> through February 28<sup>th</sup>, and March 1<sup>st</sup> through August 31<sup>st</sup> of each calendar year. This report shall include the following:</p> <ul style="list-style-type: none"> <li>(a) Calendar dates covered in the reporting period;</li> <li>(b) All visible emissions (VE) exceedances;</li> <li>(c) A description of the cause of any exceedance;</li> <li>(d) A description of any corrective action taken;</li> <li>(e) A statement of certification of truth, accuracy, and completeness as described in General Proviso No. 9; Signature of the responsible official as required by General Proviso No. 9.</li> </ul> | <p>Rule 335-3-16-.05(c)</p> <p>Rule 335-3-16-.05(c)</p> |



## Summary Page for Dual Fuel Boilers

### Permitted

**Operating Schedule:** 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

### Emission limitations:

| Emission Point # | Description  | Pollutant       | Emission limit                            | Regulation                                  |
|------------------|--|-----------------|---|---|
| EU010            | Two (2) – 25.0 MMBtu/hr Natural Gas and No. 2 Fuel Oil Fired Boilers (Boilers 1 & 2) | PM              | $E = 1.38H^{-0.44}$                       | ADEM Admin. Code r. 335-3-4-.03             |
| EU010            | Two (2) – 25.0 MMBtu/hr Natural Gas and No. 2 Fuel Oil Fired Boilers (Boilers 1 & 2) | SO <sub>2</sub> | Combined 35,000 gallons of No. 2 fuel oil | ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD) |
| EU010            | Two (2) – 25.0 MMBtu/hr Natural Gas and No. 2 Fuel Oil Fired Boilers (Boilers 1 & 2) | NO <sub>x</sub> | N/A                                       | N/A   |
| EU010            | Two (2) – 25.0 MMBtu/hr Natural Gas and No. 2 Fuel Oil Fired Boilers (Boilers 1 & 2) | CO              | N/A                                       | N/A   |
| EU010            | Two (2) – 25.0 MMBtu/hr Natural Gas and No. 2 Fuel Oil Fired Boilers (Boilers 1 & 2) | VOC             | N/A                                       | N/A   |
| EU010            | Two (2) – 25.0 MMBtu/hr Natural Gas and No. 2 Fuel Oil Fired Boilers (Boilers 1 & 2) | Opacity         | 20% opacity on six (6) minute average     | ADEM Admin. Code r. 335-3-4-.01(1)(a)(b)    |
| EU009            | 50 MMBtu/hr Natural Gas or No. 6 Fuel Oil Fired Boiler (Boiler 3)                    | PM              | $E = 1.38H^{-0.44}$                       | ADEM Admin. Code r. 335-3-4-.03             |
| EU009            | 50 MMBtu/hr Natural Gas or No. 6 Fuel Oil Fired Boiler (Boiler 3)                    | SO <sub>2</sub> | 1,627,908 gallons of No. 6 fuel oil       | ADEM Admin. Code r. 335-3-14-.04 (Anti-PSD) |
| EU009            | 50 MMBtu/hr Natural Gas or No. 6 Fuel Oil Fired Boiler (Boiler 3)                    | NO <sub>x</sub> | N/A                                       | N/A   |
| EU009            | 50 MMBtu/hr Natural Gas or No. 6 Fuel Oil Fired Boiler (Boiler 3)                    | CO              | N/A                                       | N/A   |
| EU009            | 50 MMBtu/hr Natural Gas or No. 6 Fuel Oil Fired Boiler (Boiler 3)                    | VOC             | N/A                                       | N/A   |
| EU009            | 50 MMBtu/hr Natural Gas or No. 6 Fuel Oil Fired Boiler (Boiler 3)                    | Opacity         | 20% opacity on six (6) minute average     | ADEM Admin. Code r. 335-3-4-.01(1)(a)(b)    |

## Provisos for Dual Fuel Boilers

| Federally Enforceable Provisos  | Regulations                   |
|---|-------------------------------|
| <b>Applicability</b>  |                               |
| 1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits".  | Rule 335-3-16-.03             |
| 2. These units have enforceable limits in place in order to prevent them from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04 "Air Permits Authorizing Construction in Clean Air Areas [Prevention of Significant Deterioration]".            | Rule 335-3-14-.04 (Anti-PSD)  |
| 3. These units are subject to the applicable requirements of 40 CFR Part 63 Subpart JJJJJJ, "National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources".  | 40 CFR Part 63 Subpart JJJJJJ |
| 4. These units are subject to the applicable requirements of Subpart A of 40 CFR Part 63, "General Provisions" as listed in Table 8 of Subpart JJJJJJ.  | 40 CFR Part 63 Subpart JJJJJJ |
| <b>Emission Standards</b>   |                               |
| 1. The Permittee must at all times operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. | 40 CFR §63.11205(a)           |
| 2. No more than a combined total of 35,000 gallons of No. 2 fuel oil shall be burned in Boilers 1 & 2 during any consecutive twelve (12) month period.  | Rule 335-3-14-.04 (Anti-PSD)  |
| 3. No more than 1,627,908 gallons of No. 6 fuel oil shall be burned in Boiler 3 during any consecutive twelve (12) month period.  | Rule 335-3-14-.04 (Anti-PSD)  |
| 4. Sulfur content of the fuel oil burned in Boilers 1 & 2 shall not exceed 0.5% by weight.  | Rule 335-3-14-.04 (Anti-PSD)  |
| 5. Sulfur content of the fuel oil burned in Boiler 3 shall not exceed 1.8% by weight.   | Rule 335-3-14-.04 (Anti-PSD)  |
| 6. Fuel oil shall not be burned in the boilers simultaneously, except during change over.   | Rule 335-3-14-.04 (Anti-PSD)  |
| <b>Compliance and Performance Test Methods and Procedures</b>   |                               |
| 1. Method 9 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of the opacity.   | Rule 335-3-1-.05              |

| Federally Enforceable Provisos   | Regulations  |
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| <ol style="list-style-type: none"> <li>2. Method 5 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of particulate matter emissions.</li> <li>3. Method 6 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of sulfur dioxide (SO<sub>2</sub>) emissions.</li> <li>4. Method 7 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of nitrogen oxides (NO<sub>x</sub>) emissions.</li> <li>5. Method 10 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of carbon monoxide (CO) emissions.</li> <li>6. Method 25 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of volatile organic compound (VOC) emissions.</li> <li>7. The sulfur content of fuel oil burned in this boiler shall be determined by procedures found in ASTM 129-00.</li> </ol>  | <p>Rule 335-3-1-.05</p> <p>Rule 335-3-1-.05</p> <p>Rule 335-3-1-.05</p> <p>Rule 335-3-1-.05</p> <p>Rule 335-3-1-.05</p> <p>Rule 335-3-1-.05</p>      |
| <b>Emission Monitoring</b>   |  |
| <ol style="list-style-type: none"> <li>1. The Permittee must conduct biennial tune-ups of each boiler based on the requirements in §63.11223(b)(1) through §63.11223(b)(7).</li> <li>2. When firing fuel oil, an observation of instantaneous visible emissions from the stacks associated with these units shall be accomplished daily by an individual certified to determine opacity.</li> <li>3. If the observed instantaneous opacity is greater than ten (10%) percent, a visible emissions observation shall be conducted within thirty (30) minutes of the observation in accordance with 40 CFR 60 Appendix A, Method 9 for a minimum of twelve (12) consecutive minutes.</li> <li>4. If the average opacity during the Method 9 visible emission observation exceeds ten (10%) percent, corrective action must be initiated within two (2) hours.</li> <li>5. Compliance with the fuel oil sulfur content limit shall be determined from either a certification provided by the fuel oil supplier or laboratory test results obtained by the Permittee.</li> </ol> | <p>40 CFR §63.11223(a) &amp; (b)</p> <p>Rule 335-3-16-.05(c)</p> <p>Rule 335-3-16-.05(c)</p> <p>Rule 335-3-16-.05(c)</p> <p>Rule 335-3-16-.05(c)</p> |
| <b>Recordkeeping and Reporting Requirements</b>  |  |
| <ol style="list-style-type: none"> <li>1. The Permittee must keep the records as required by</li> </ol>  | <p>40 CFR §63.11225(c)</p>   |

| Federally Enforceable Provisos   | Regulations          |
|--|----------------------|
| §63.11225(c).  |                      |
| 2. The Permittee must submit a biennial compliance report as required by §63.11225(b).   | 40 CFR §63.11225(b)  |
| 3. Monthly, and twelve (12) month rolling total natural gas and fuel oil usage in this boiler must be kept in a form suitable for inspection. The records also shall be retained in a permanent form suitable for inspection for at least five (5) years from the date of generation and shall be made available upon request.   | Rule 335-3-16-.05(c) |
| 4. If utilized, fuel oil supplier certificates shall contain the name of the oil supplier and a statement from the oil supplier that the oil complies with the sulfur content limit, and shall be kept in a permanent form suitable for inspection for a period of five (5) years from the date of generation and shall be made available upon request.  | Rule 335-3-16-.05(c) |
| 5. A semi-annual report summarizing the type and quantity of each fuel burned in this unit shall be submitted to the Department within sixty (60) days of the end of each semi-annual reporting period as determined by the anniversary dates of the permit. The semi-annual monitoring periods shall cover the following dates: September 1st through February 28th, and March 1st through August 31st of each calendar year. This report shall include the following:<br>(a) Calendar dates covered in the reporting period;<br>(b) Amounts of each fuel combusted in this unit during the reporting period;<br>(c) Twelve (12) month rolling total of each fuel burned in this boiler during the reporting period;<br>(d) A tabulated summary of fuel oil supplier certification(s);<br>(e) A statement of certification of truth, accuracy, and completeness as described in General Proviso No. 9.<br>(f) Signature of the responsible official as required by General Proviso No. 9. | Rule 335-3-16-.05(c) |
| 6. Records of the observation date, observation time, emission point designation, name of the observer, expiration date of observer's certification, observed opacity, and any corrective actions taken during each visible emissions observation shall be kept in a permanent form suitable for inspection. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.   | Rule 335-3-16-.05(c) |
| 7. If a visible emissions observation utilizing Method 9 is required, the results shall be documented using the ADEM visible emissions observation report. These records shall be maintained for a period of at least five (5) years from the date of generation and shall be made available to the permitting authority upon request.   | Rule 335-3-16-.05(c) |

| Federally Enforceable Provisos   | Regulations                 |
|--|-----------------------------|
| <p>8. A semi-annual monitoring report shall be submitted to the Department within sixty (60) days of the end of each semi-annual reporting period as determined by the anniversary dates of the permit. The semi-annual monitoring periods shall cover the following dates: September 1st through February 28th, and March 1st through August 31st of each calendar year. This report shall include the following:</p> <ul style="list-style-type: none"> <li>(a) Calendar dates covered in the reporting period;</li> <li>(b) All visible emissions (VE) exceedances;</li> <li>(c) A description of the cause of any exceedance;</li> <li>(d) A description of any corrective action taken;</li> <li>(e) A statement of certification of truth, accuracy, and completeness as described in General Proviso No. 9;</li> <li>(f) Signature of the responsible official as required by General Proviso No. 9.</li> </ul> | <p>Rule 335-3-16-.05(c)</p> |

## Summary Page for MACT Subpart ZZZZ – Existing Diesel Fired Emergency Generators

**Permitted**

**Operating Schedule:** 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

**Emission limitations:**

| Emission Point # | Description   | Pollutant       | Emission limit       | Regulation          |
|------------------|---|-----------------|----------------------|---------------------|
| Subpart ZZZZ     | Three 285 HP, each Diesel Fired Emergency Fire Pump Engines | PM              | N/A                  | N/A                 |
| Subpart ZZZZ     | Three 285 HP, each Diesel Fired Emergency Fire Pump Engines | SO <sub>2</sub> | N/A                  | N/A                 |
| Subpart ZZZZ     | Three 285 HP, each Diesel Fired Emergency Fire Pump Engines | NO <sub>x</sub> | N/A                  | N/A                 |
| Subpart ZZZZ     | Three 285 HP, each Diesel Fired Emergency Fire Pump Engines | CO              | N/A                  | N/A                 |
| Subpart ZZZZ     | Three 285 HP, each Diesel Fired Emergency Fire Pump Engines | VOC             | N/A                  | N/A                 |
| Subpart ZZZZ     | Three 285 HP, each Diesel Fired Emergency Fire Pump Engines | Opacity         | See General Provisos | Rule 335-3-4-.01(1) |

## Provisos for MACT Subpart ZZZZ – Existing Diesel Fired Emergency Generators

| Federally Enforceable Provisos  | Regulations                    |
|---|--------------------------------|
| <b>Applicability</b>  |                                |
| 1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “Major Source Operating Permits”.  | Rule 335-3-16-.03              |
| 2. These sources are subject to the applicable requirements of 40 CFR Part 63 Subpart ZZZZ, “National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines (RICE)”.  | 40 CFR Part 63<br>Subpart ZZZZ |
| 3. These sources are subject to the applicable requirements of Subpart A of 40 CFR Part 63, "General Provisions" as listed in Table 8 of Subpart ZZZZ.  | 40 CFR Part 63<br>Subpart ZZZZ |
| <b>Emission Standards</b>   |                                |
| 1. These units are subject to the applicable requirements listed in Table 2d of 40 CFR 63 Subpart ZZZZ—National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.  | 40 CFR §63.6603(a)             |
| 2. The Permittee must operate and maintain these units according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.   | 40 CFR §63.6625(e)(3)          |
| 3. The Permittee must install a non-resettable hour meter for each unit if one is not already installed.  | 40 CFR §63.6625(f)             |
| 4. These units may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of these units are limited to 100 hours per year. There is no time limit on the use of these units in emergency situations. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year . These units may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric | 40 CFR §63.6640(f)(1)          |

| Federally Enforceable Provisos   | Regulations  |
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| <p>grid or otherwise supply non-emergency power as part of a financial arrangement with another entity. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in 40 CFR 63 Subpart ZZZZ, is prohibited.</p>   |  |
| <b>Compliance and Performance Test Methods and Procedures</b>  |  |
| <p>1. Method 9 of 40 CFR (Latest Edition) Part 60, Appendix A shall be used in the determination of the opacity.</p>   | Rule 335-3-1-.05   |
| <b>Emission Monitoring</b>   |  |
| <p>1. The Permittee shall perform the following activities:</p> <ul style="list-style-type: none"> <li>(a) Change oil and filter every 500 hours of operation or annually, whichever comes first;</li> <li>(b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;</li> <li>(c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.</li> </ul>   | 40 CFR Part 63<br>Subpart ZZZZ Table 2d(4) & §63.6625(i) |
| <p>Or utilize an oil analysis program as described in §63.6625(i) or §63.6625(j).</p>  |  |
| <p>2. If an oil analysis program is utilized for a stationary compression ignition engine, the Permittee must perform the oil analysis at the same frequency specified above for changing the oil. The Permittee must at a minimum analyze the following parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new, viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new, or percent water content (by volume) is greater than 0.5. If any of the limits are exceed, the Permittee must change the oil within 2 business days of receiving the results of the analysis or before commencing operation, whichever is later.</p> | 40 CFR Subpart ZZZZ §63.6625(i)                          |
| <b>Recordkeeping and Reporting Requirements</b>  |  |
| <p>1. The Permittee must keep records of the parameters that are analyzed as part of the oil analysis program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.</p>  | 40 CFR Subpart ZZZZ §63.6625(i)                          |
| <p>2. The Permittee must keep records of the maintenance conducted on these units in order to demonstrate that you operated and maintained these units and after-treatment control device (if any) according to your own maintenance</p>   | 40 CFR §63.6655(e)                                       |



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| <p>plan.</p> <p>3. The Permittee must keep records of the hours of operation of each engine that is recorded through the non-resettable hour meter. The facility must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.</p> | <p>40 CFR §63.6655(f)</p> |

## Summary Page for Plant-Wide Applicability Limit (PAL)

### Permitted

**Operating Schedule:** 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

### Emission limitations:

| Emission Point # | Description                          | Pollutant | Emission limit                            | Regulation                             |
|------------------|--------------------------------------|-----------|---|--|
| Facility Wide    | Plant-Wide Applicability Limit (PAL) | VOC       | 457.9 Tons per rolling<br>12 month period | ADEM Admin. Code<br>r. 335-3-14-.04(8) |

## Provisos for Plant-Wide Applicability Limit (PAL)

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| <b>Applicability</b>   |                                       |
| 1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, "Major Source Operating Permits".  | Rule 335-3-16-.03                     |
| 2. Any physical change in or change in the method of operation of this facility that maintains its total source-wide emissions below the PAL level, meets the requirements in 335-3-14-.04-(23)(a) through (o), and complies with the PAL permit:<br><br>(a) Is not a major modification for the PAL pollutant;<br>(b) Does not have to be approved through the PSD program  | Rule 335-3-14-.04 (23)(a) through (o) |
| 3. The Permittee shall continue to comply with any State or Federal applicable requirements (BACT, RACT, NSPS, synthetic minor limit, etc.) that may have applied either during the PAL effective period or prior to the PAL effective period.   | Rule 335-3-14-.04 (23)(a) through (o) |
| 4. At no time (during or after the PAL effective period) are emissions reductions of a PAL pollutant that occur during the PAL effective period creditable as decreases for purposes of offsets under Rule 335-3-14-.05 unless the level of the PAL is reduced by the amount of such emissions reductions and such reductions would be creditable in the absence of the PAL. | Rule 335-3-14-.04 (23)(a) through (o) |
| 5. The PAL established in this permit only addresses the applicability criteria for VOCs under the state PSD Rule 335-3-14-.04. Any modifications to this source remain subject to applicable construction permit requirements in Rule 335-3-14 and the Title V operating permit modification procedures of Rule 335-3-16-.13 or 335-3-16-.14.                               | Rule 335-3-14-.04 (23)(a) through (o) |
| 6. This PAL shall include fugitive emissions, to the extent quantifiable, from all emissions units that emit or have the potential to emit VOCs at the facility.   | Rule 335-3-14-.04 (23)(a) through (o) |
| 7. This PAL shall have a PAL effective period of 10 years from the date of issuance.   | Rule 335-3-14-.04 (23)(a) through (o) |
| 8. If the Permittee applies to renew this PAL in accordance with 335-3-14-.04(23)(j)(2), then the PAL shall not expire at the end of the PAL effective period. It shall remain in effect until a revised PAL permit is issued.   | Rule 335-3-14-.04 (23)(a) through (o) |
| 9. If the PAL expires, the Permittee is subject to the requirements of Rule 335-3-14-.04(23)(i).   | Rule 335-3-14-.04 (23)(a) through (o) |

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| 10. Emission calculations for compliance purposes must include emissions from startups and shutdowns.   | Rule 335-3-14-.04 (23)(a) through (o) |
| <b>Emission Standards</b>   |                                       |
| 1. The annual emission limitation for this facility for this PAL shall be <b>457.90 Tons</b> of <b>VOC</b> in any consecutive rolling 12 month period (Tons per Year (TPY)). This PAL shall regulate emissions of <b>VOC</b> . For each month during the PAL effective period after the first 12 months of establishing this PAL limit, the sum of the monthly emissions from each emissions unit under the PAL for the previous 12 consecutive months shall be less than the PAL limit (a 12-month total, rolled monthly). For each month during the first 11 months from the PAL effective date, the Permittee shall show that the sum of the preceding monthly emissions from the PAL effective date for each emissions unit under the PAL shall be less than the PAL limit.   | Rule 335-3-14-.04(8)                  |
| <b>Compliance and Performance Test Methods and Procedures</b>   |                                       |
| 1. The calculation procedures that the Permittee shall use to convert monitoring system data to monthly emissions and annual emissions based on a 12-month rolling total as required by 335-3-14-.04 (23)(l).   | Rule 335-3-14-.04 (23)(a) through (o) |
| 2. The Permittee using mass balance calculations to monitor PAL pollutant emissions from activities using coating or solvents shall meet the following requirements: <ul style="list-style-type: none"> <li>(a) Provide a demonstrated means of validating the published content of VOC that is contained in or created by all materials used in or at the emission units;</li> <li>(b) Assume that the emission units emit all of the VOC that is contained in or created by any raw material or fuel used in or at the emission units, if it cannot otherwise be accounted for in the process; and</li> <li>(c) Where the vendor of a material or fuel, which is used in or at the emission units, publishes a range of pollutant content from much material, the Permittee must use the highest value of the range to calculate the VOC emissions unless the Director determines there is site-specific data or a site-specific monitoring program to support another content within the range.</li> </ul> | Rule 335-3-14-.04 (23)(a) through (o) |



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| <p>upon request. Copies of any records or background documentation will be provided upon request.</p> <p>4. A copy of the following records shall be retained for the duration of the PAL effective period plus 5 years:</p> <p>(a) A copy of the PAL permit application and any applications for revisions to the PAL; and</p> <p>(b) Each annual certification of compliance pursuant to title V and the data relied on in certifying the compliance.</p> <p>5. Semi-annual monitoring reports and prompt deviation reports for this PAL permit shall be submitted to the Director in accordance with the schedule and requirements of the Title V Operating Permit for this facility.</p> <p>(a) <i>Semi-annual report.</i> This report shall contain the following information:</p> <p>(1) The identification of the Permittee and the permit number.</p> <p>(2) Total annual emissions (tons/year) based on a 12-month rolling total for each month in the reporting period recorded pursuant to 335-3-14-.04-(23)(m)1.</p> <p>(3) All data relied upon, including, but not limited to, any Quality Assurance or Quality Control data, in calculating the monthly and annual PAL pollutant emissions.</p> <p>(4) A list of any emissions units modified or added to the facility during the preceding 6-month period.</p> <p>(5) The number, duration, and cause of any deviations or monitoring malfunctions (other than the time associated with zero and span calibration checks), and any corrective action taken.</p> <p>(6) A notification of a shutdown of any monitoring system, whether the shutdown was permanent or temporary, the reason for the shutdown, the anticipated date that the monitoring system will be fully operational or replaced with another monitoring system, and whether the emissions unit monitored by the monitoring system continued to operate, and the calculation of the emissions of the pollutant or the number determined by method included in the permit, as provided by 335-3-14-.04-(23)(l)7.</p> <p>(7) A signed statement by a responsible official (as defined in 335-3-16) certifying the truth, accuracy, and completeness of the information provided in the report.</p> <p>(b) <i>Deviation report.</i> The Permittee shall promptly submit reports of any deviations or exceedance of the PAL requirements, including periods where no monitoring is available. A report submitted pursuant to 335-3-16-.05(c)3.(ii) shall satisfy this reporting requirement. The reports shall contain the following information:</p> <p>(1) The identification of the permittee and the permit</p> | <p>Rule 335-3-14-.04 (23)(a) through (o)</p> <p>Rule 335-3-14-.04 (23)(a) through (o)</p> |

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| <p>number;</p> <p>(2) The PAL requirement that experienced the deviation or that was exceeded;</p> <p>(3) Emissions resulting from the deviation or the exceedance; and</p> <p>(4) A signed statement by a responsible official (as defined in 335-3-16) certifying the truth, accuracy, and completeness of the information provided in the report.</p> <p>(c) <i>Re-validation results.</i> The Permittee shall submit to the Director the results of any re-validation test or method within 3 months after completion of such test or method.</p> |             |